### CITY OF MIAMI BEACH

## Office of the City Manager Letter to Commission No. 180-2005



**DATE:** July 7, 2005

TO:

Mayor David Dermer and

Members of the City Commission

FROM:

Jorge M. Gonzalez

City Manager

**SUBJECT:** 

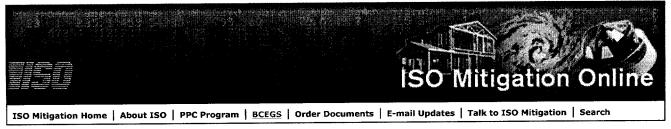
Building Code Effective Grading Classification

It is my pleasure to report to the Commission that the City of Miami Beach Building Department has been graded class 2 effective January 1, 2005. The Building Code Effectiveness Grading Schedule (BCEGS), instituted by Insurance Service Office (ISO), assesses the building codes in effect in a particular community and how the community enforces its building codes, with special emphasis on mitigation of losses from natural hazards. The ISO is an insurer-supported organization with primary mission of providing advisory insurance underwriting and rating information to insurers. The BCEGS program assigns each municipality a BCEGS grade of 1 (best) to 10 (no recognized protection). The BCEGS classifications for each community are used by insurance companies for underwriting purposes. Insurers that currently receive Public Protection Classification (PPC) will automatically receive BCEGS advisory credits and related underwriting information. PPC is similar in concept to ISO's BCEGS that evaluates municipal fire-suppression capabilities and has been used by insurers for decades.

Mr. Ken DeGuzman, representative of ISO visited the Miami Beach Building Department on April 6, 2005. The purpose of his visit was to verify implementation of the activities listed in the Department's application for participation in the Building Code Effectiveness Grading. After the verification of the activities, the application was evaluated by the ISO officials. ISO classified the Miami Beach Building Department in class 2 of the BCEGS. The Department was ranked among the top 7% of the building departments in Florida and among the top 2% of the building departments in the nation. This is one of the highest classifications in the nation and helps residents of Miami Beach in obtaining considerable discounts in the homeowners' insurance premiums.

Please find attached a copy of the comprehensive grading report prepared by ISO. As the Department is growing with additional staffing, implementation of several state of the art procedures better training and better customer service, it is our goal to establish the City of Miami Beach Building Department as a class 1 building department.

JMG\TH\HD



ISO's Building Code Effectiveness Grading Schedule (BCEGS™)

What? Why? When? And what do I

What determines a municipality's code-effectiveness classification?

How do building code-effectiveness classifications affect insurance pricing?

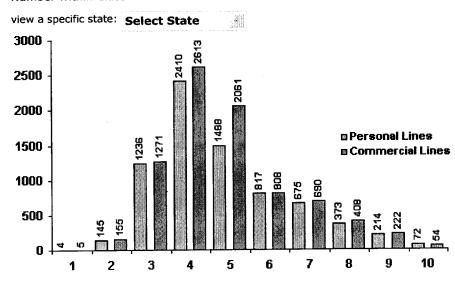
What other underwriting information will be available to insurers?

Facts and figures about BCEGS grades around the country

#### Countrywide

#### **Distribution of Communities by BCEGS Class**

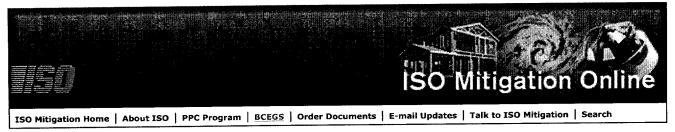
Number within Classification



The personal lines classification addresses building code adoption and enforcement for 1- and 2-family dwellings. The commercial lines classification is for all other buildings.

»return to BCEGS Facts and Figures

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ISO's Building Code Effectiveness Grading Schedule (BCEGS)

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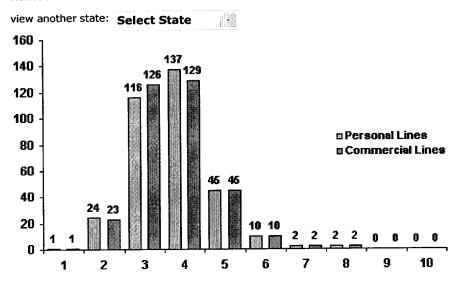
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#### **Florida**

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Number within Classification



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»return to BCEGS Facts and Figures

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June 6, 2005

Mr. Jorge Gonzalez, City Manager City of Miami Beach 1700 Convention Center Drive Miami Beach, Florida 33139

RE: Building Code Effectiveness Grading Schedule Miami Beach, Miami-Dade County, Florida

Dear Mr. Gonzalez:

We wish to thank you and Hamid Dolikhani for the cooperation given to our representative, Ken DeGuzman, during our recent survey. We have completed our analysis of the building codes adopted by your community and the efforts put forth to properly enforce those codes. The resulting Building Code Effectiveness Grading Classification is 2 for 1 and 2 family residential property and 2 for commercial and industrial property.

The Insurance Services Office, Inc. (ISO) is an insurer-supported organization with the primary mission of providing advisory insurance underwriting and rating information to insurers. There is no requirement that insurers use our advisory material. Insurers may have adopted, or may be in the process of adopting, an ISO insurance rating program that will provide rating credits to individual property insurance policies in recognition of community efforts to mitigate property damage due to natural disasters. These insurers may use the Building Code Effectiveness Grading Classification we have recently developed for your community as a basis for the credits used. While individual insurers may use different credits or different effective dates, the ISO program will apply credits to new construction within Miami Beach that has been issued a Certificate of Occupancy in the year 2005 and forward.

We have attached a copy of our report which provides additional information about our classification process and how we have graded various aspects of your community's building codes and their enforcement.

We want to highlight the fact that the Building Code Effectiveness Grading Schedule is an insurance underwriting and information tool; it is not intended to analyze all aspects of a comprehensive building code enforcement program nor is it for purposes of determining compliance with any state or local law or for making property/casualty loss prevention and life safety recommendations.

If you have any questions about the Classification that was developed, please let us know. Additionally, if you are planning on any future changes in your building codes or their enforcement, please advise us as these changes may affect our analysis and your community's grading classification.

Sincerely,

BCEGS Building Codes Department (856) 985-5600 FAX (800) 955-2422

Enclosure

cc: Hamid Dolikhani w/enclosure

#### BUILDING CODE EFFECTIVENESS GRADING SCHEDULE

#### INTRODUCTION

The purpose of the Building Code Effectiveness Grading Schedule is to review the available public building code enforcement agencies and to develop a Building Code Effectiveness Classification for insurance underwriting information and rating purposes.

The Schedule measures the resources and support available for building code enforcement. It also evaluates how those resources apply to the mitigation of the natural hazards common to the specific jurisdiction. These measurements are then developed into a Building Code Effectiveness Classification number on a relative scale from 1 to 10, with 10 representing less than the minimum recognized protection.

The Schedule is an insurance underwriting information and rating tool. It is not intended to analyze all aspects of a comprehensive building code enforcement program. It is not for purposes of determining compliance with any state or local law or regulation, nor is it for making property/casualty loss prevention or life safety recommendations. It should not be used for purposes other than insurance underwriting information and rating.

The Building Code Effectiveness Classifications developed through the use of this Schedule are only one of several elements used to develop insurance rates for individual properties. Other features specifically relating to individual properties such as construction, occupancy, and exposures have similar importance in the development of these rates.

The Schedule is divided into 3 sections:

#### Administration of Codes:

This section evaluates the administrative support available in the jurisdiction for code enforcement. It looks for adopted building codes and modifications of those codes through ordinance, code enforcers qualifications, experience and education, zoning provisions, contractor/builder licensing requirements, public awareness programs, the building department's participation in code development activities and the administrative policies and procedures.

#### Plan Review:

This section assesses the plan review function to determine the staffing levels, personnel experience, performance evaluation schedules, review capabilities, and level of review of construction documents for compliance with the adopted building code for the jurisdiction being graded.

#### Field Inspection:

This section evaluates the field inspection function to determine the staffing levels, personnel experience, performance evaluation schedules, review capabilities, and level of review of building construction for compliance with the adopted building code for the jurisdiction being graded.

The attached "Commercial Classification Details" identify the subject matter, maximum points achievable and the points obtained in the review of your community. This information is provided to you without recommendation and is for your use in understanding the details of the measurement of your building code enforcement activities in relationship to the Building Code Effectiveness Grading Schedule.

# FL, Miami Beach Commercial SECTION I ADMINISTRATION OF CODES

#### 100. GENERAL

This section evaluates the administrative support for code enforcement within the jurisdiction -- the adopted building codes and the modifications of those codes through ordinance, code enforcers qualifications, experience and education, zoning provisions, contractor/builder licensing requirements, public awareness programs, the building department's participation in code development activities, and the administrative policies and procedures.

105. ADOPTED CODES	
Maximum Points Possible	8.00 points
Points Scored	8.00 point(s)

The latest edition of the model codes should be adopted and enforced by the jurisdiction.

	Points Possible when adopted code is published within years of the survey date:				
. CODES	5	6	10	More Then 10	Points Scored
	8.00 pts	6.88 pts	2.21 pts	0.85 pts	8.00 pts

108. ADDITIONAL CODE ADOPTIONS	
Maximum Points Possib	le 4.00 points
Points Score	ed 4.000 point(s)

	Points Possible when adopted code is published within years of the survey date:				
CODES	5	6	10	More Then 10	Points Scored
Electric	0.67 pts	0.33 pts	0.18 pts	0.004 pts	0.670 pts
Mechanical	0.67 pts	0.33 pts	0.18 pts	0.004 pts	0.670 pts
Fuel Gas	0.67 pts	0.33 pts	0.18 pts	0.004 pts	0.670 pts
Pumbling	0.67 pts	0.33 pts	0.18 pts	0.004 pts	0.670 pts
Energy	0.67 pts	0.33 pts	0.18 pts	0.004 pts	0.670 pts
Wildland Urban interface	0.67 pts	0.33 pts	0.18 pts	0.004 pts	0.670 pts

110. MODIFICATION TO ADOPTED CODES		······································	ĺ
	Maximum Points Possible	4.00 points	ĺ
	Points Scored	4.00 point(s)	ĺ

There should be no modifications to the structural design provisions of the adopted codes and referenced standards that would weaken the intent for construction mitigation of natural hazards as defined in the model codes and referenced standards. No proration is permitted in this item.

\*\* Maximum allowable points = (points credited in item 105) x 0.125 x 4.0

112. METHOD Of ADOPTION	
Maximum Points Possible	1.00 points
Points Scored	1.00 point(s)

Points awarded for timely unamended adopted of nationally recognized code publication.

115. TRAINING		
	Maximum Points Possible	13.30 points
	Points Scored	8.75 point(s)

Amount of expenditures for training equaling at least 2% of the annual operating budget for all building department related activities

Pts Poss.	<u>Scored</u>
3.00 points	2.25 point(s)

Each code enforcement person receiving the following amount of training per year:

		Pts Poss.	Scored
Administration	12 hours	1.25 points	0.84 point(s)
Legal	12 hours	1.25 points	0.84 point(s)
Mentoring	12 hours	1.25 points	1.25 point(s)
Technical	60 hours	4.25 points	1.39 point(s)

Incentives provided by the jurisdiction for continuing education, outside training, certification and certification maintenance

Department pays certification exam fees.

	Pts Poss.	Scored
	0.5 point	0.50 point
Department provides incentive for outside training/certification.		
	Pts Poss.	Scored
·	0.5 point	0.38 point
Department pays for continuing education, etc.	•	-
	Pts Poss.	Scored
	0.5 point	0.50 point

Education of elected officials or governing authorities in building codes and building code enforcement a minimum of 3 hours per official per year

Pts Poss.	Scored
0.50 point	0.50 point

A formal appeal process that a contractor/builder or architect/design professional can utilize as recourse to a building official's interpretation of the adopted building code/zoning regulations

Pts Poss.	<u>Scored</u>
0.30 point	0.30 point

120. CERTIFICATION Maximum Points Possible 12.00 points 9.56 point(s) Points Scored

The credit for certification is as follows:

Certification of code enforcement personnel (applicable to the position requirements) through a comprehensive examination representative of the performance area for which certification is sought

Pts Poss.

Scored

8.00 points

.80 point(s)

State or local jurisdiction mandated program for certification.

Pts Poss.

Scored

0.50 point

0.50 point

State or local jurisdiction mandated program of certification maintenance through continuing education at least once every 3 years

Pts Poss.

<u>Scored</u>

1.50 points

1.50 point(s)

Program of employee certification in the field they are employed (prior to employment or within one year of date of hire or advancement)

Pts Poss.

Scored

1.00 point 0.75 point

Program of employee certification where specific code related educations and experience are required prerequisites to testing requirements

Pts Poss.

Scored

1.00 point 1.00 point

#### 125. BUILDING OFFICIAL'S QUALIFICATION / EXPERIENCE / EDUCATION

Maximum Points Possible Points Scored 4.00 points 2.80 point(s)

The following is reviewed: Certification as a building official

Licensed Architect or Engineer

High School diploma

College degree

Masters degree

Construction related experience

None less than 2 years or two to five years or more than five years

Code enforcement experience

None less than 2 years or two to five years or more than five years

Building official experience

less than 2 years or two to five years or more than five years Pts Poss. Scored 0.60 point 0 point

Pts Poss. Scored 0.60 point 0 point

Pts Poss. Scored 0.10 point 0.10 point

Pts Poss. Scored 0.50 point 0.50 point

Pts Poss. Scored

0.40 point 0.40 point

Pts Poss. Scored

0.00 point 0.10 point 0.20 point

0.60 point 0.60 point

Pts Poss. Scored

0.00 point 0.10 point 0.20 point

0.60 point 0.60 point

Pts Poss. Scored

0.10 point 0.20 point

0.60 point 0.60 point

130. SELECTION PROCEDURES FOR BUILDING OFFICIAL

Maximum Points Possible

0.50 point

Points Scored

0.50 point

Selection through examination Selection through peer review

Pts Poss. Scored 0.25 point 0.25 point 0.25 point 0.25 point

135. DESIGN PROFESSIONALS

Maximum Points Possible

2.00 points

Points Scored

1.01 point(s)

The credit for design professionals is as follows:

If supervisory plan review staff are graduate or registered architects or engineers

Pts Poss. Scored

1.00 points 0.73 point

If non-supervisory plan review staff are graduate or registered architects or engineers

Pts Poss. Scored

0.50 points 0.27 point

If supervisory field inspection staff are graduate or registered architects or engineers

Pts Poss. Scored

0.50 point 0 point

140. ZONING PROVISIONS

Maximum Points Possible

1.00 point

Points Scored

1.00 point

Where possible, special (through ordinance or code amendment) zoning provisions that address mitigation measures for buildings subject to local natural hazards.

#### 145. CONTRACTOR/BUILDER LICENSING AND BONDING

Maximum Points Possible Points Scored

1.00 point 1.00 point

Contractors/builders licensed and bonded to work in the jurisdiction being graded. The licensure dependence upon examination and experience

Licensing requirement for contractors and builders

Pts Poss. 0.10 point Scored 0.10 point

Licensing by examination

Pts Poss. 0.50 point Scored 0.50 point

Licensing by experience

Pts Poss. 0.30 point Scored 0.30 point

Bonding requirements for contractors

Pts Poss. 0.10 point

Scored 0.10 point

#### 155. PUBLIC AWARENESS PROGRAMS

Maximum Points Possible

2.50 points

Points Scored

2.50 point(s)

The amount of expenditures for public awareness programs equaling a minimum of 0.5% of the annual operating budget for all building department related activities

Pts Poss.

Scored

1.25 point

1.25 point

The amount of hours spent by code enforcers on public awareness programs, equaling a minimum of 3 hours per code enforcement employee per year

Pts Poss.

Scored

1.25 point

1.25 point

#### 160. PARTICIPATION IN CODE DEVELOPMENT ACTIVITIES

Maximum Points Possible

0.50 points

Points Scored

0.50 point(s)

The building department involvement in code development activities and associations with groups or organizations that assemble building enforcement personnel for the purpose of education and advancement of effective building codes.

Participation in Code change Activities

Pts Poss. 0.25 point <u>Scored</u>

0.25 point

Participation in Code association/chapter meetings

Pts Poss.

Scored

0.25 point

0.25 point

165. ADMINISTRATIVE POLICIES AND PROCEDURES

Maximum Points Possible

Points Scored

0.20 points 0.20 point(s)

The credit for "Policies and Procedures" is as follows: A policies and procedures guide for employees

Pts Poss.

Scored

0.10 point 0.10 point

The policies and procedures guide covers technical code requirements (such as approved products listings) that would assist a designer or builder

Pts Poss.

Scored

0.05 point

0.05 point

Publicizing the policies and procedures guide as available to the public.

Pts Poss.

Scored

0.05 point

0.05 point

#### SECTION II PLAN REVIEW

#### 200. GENERAL

This section evaluates the plan review function to determine the following:

Staffing levels

Personnel experience

Performance evaluation schedules

Review capabilities, and level of review of construction documents for compliance with the adopted building code for the jurisdiction being graded

	05. EXISTING STAFFING		
İ		Maximum Points Possible	9.00 points
ı		Points Scored	9.00 point(s)

Staffing levels sufficient to assure comprehensive reviews of construction documents for compliance with the adopted building codes

\*\* Maximum allowable points =  $\frac{\text{points achieved in item } 215}{\text{points possible in item } 215} \text{ x item } 205$ 

210. EXPERIENCE OF PERSONNEL		
	Maximum Points Possible	1.50 points
	Points Scored	1.28 point(s)

5 years or greater experience in plan review of plan review staff.

215. DETAIL OF PLAN REVIEW

Maximum Points Possible Points Scored 11.50 points 11.50 point(s)

The credit for the comprehensiveness of plan review is as follows:

Comprehensive review of plans performed even if they were prepared and sealed by a registered design professional certified in the appropriate field of work

Pts Poss.

Scored

3.25 points

3.25 point(s)

Structural plan reviews conducted for all proposed building construction or building additions/modifications including a review of engineering calculations

Pts Poss.

Scored

3.25 points

3.25 point(s)

A means to evaluate, or reference evaluation service reports, for substitute products and/or materials for conformance with the intent of the structural portions of the adopted building codes

Pts Poss.

Scored

2.00 point 2.00 point

A detailed checklist used with each plan review to assure all pertinent building code issues have been considered

Pts Poss.

Scored

1.50 points

1.50 point(s)

The checklist becomes a part of the permanent record of the project address

Pts Poss.

Scored

0.50 point

0.50 point

Department maintains detailed records of review activity.

Pts Poss.

Scored

1.00 points

1.00 point(s)

#### 220. PERFORMANCE EVALUATIONS FOR QUALITY ASSURANCE

Maximum Points Possible

1.00 point

Points Scored

1.00 point

Credit for quality assurance programs for plan reviewers is as follows:

Annual employee performance evaluations

Pts Poss.

Scored

0.50 point

0.50 point

"Follow-up" plan reviews by a different plan reviewer conducted semiannually

Pts Poss

Scored

0.50 point

0.50 point

### SECTION III FIELD INSPECTION

#### 300. GENERAL

This section evaluates the field inspection function to determine the following: Staffing levels
Personnel experience
Performance evaluation schedules
Review capabilities and level of review of building construction

305. EXISTING STAFFING		
200. 2110	Maximum Points Possible	9.00 points
	Points Scored	9.00 point(s)

Staffing levels sufficient to assure comprehensive reviews of building construction for compliance with the adopted building codes

310. EXPERIENCE OF PERSONNEL		
	Maximum Points Possible	3.00 points
	Points Scored	2.57 point(s)

5 years or greater experience in field inspection

Pts Poss. Scored
1.50 points 1.22 point(s)

2 years or greater of construction related experience

Pts Poss. Scored
1.50 points 1.35 point(s)

		<del>'''</del>			
315. MANAGING INSPECTION AND RE-INSPECTION ACTIVITY					
1315. MANAGING INSPECTION AND RE-INSPE	CHON ACTIVITI	1			
	Maximum Points Possible	1.00 point			
l .	Maximum Found Fossioic	1.00 ponte .			
	Points Scored	1.00 point			
·	Points Scored	1.00 pomi			

Detailed record keeping of inspection activity.

320. INSPECTION CHECKLIST

Maximum Points Possible Points Scored 2.00 points 0 point(s)

A detailed checklist completed for each building construction project to assure that all pertinent building code issues have been considered

Pts Poss. 1.50 points Scored 0 point(s)

The checklist becomes a part of the permanent record of the project address

Pts Poss. 0.50 point

Scored 0 point

325. SPECIAL INSPECTIONS

Maximum Points Possible

Points Scored

1.00 points 1.00 point(s)

Where necessary to assure structural integrity, the building department requirement for special inspections for specific structural elements conducted by professional inspectors who have been certified for such work

Pts Poss. 0.70 point Scored

0.70 point

The certification being obtained by a combination of:

Examination

Pts Poss. 0.10 point Scored 0.10 point

Experience in the field of inspection they will be performing

Pts Poss. 0.10 point Scored 0.10 point

An interview by the building official to assess qualifications

Pts Poss. 0.10 point Scored

-

0.10 point

#### 330. INSPECTIONS FOR NATURAL HAZARD MITIGATION

Maximum Points Possible

1.50 points

Points Scored

1.50 point(s)

When there are construction mitigation measures defined in the adopted building code for the natural hazard(s) peculiar to the area being graded, special inspections that focus on compliance with the provisions of the code

	THE PROPERTY OF ICE		
335	. FINAL INSPECTIONS	Maximum Points Possible	2.50 points
1		Points Scored	2.50 point(s)

Final inspections performed on all buildings after the construction is completed and the building is ready for occupancy

340. CERTIFICATE OF OCCUPANCY		
D40. CERTIFICATE OF OCCUPANT	Maximum Points Possible	2.00 points
8	Points Scored	2.00 point(s)
	1 02:00 0 00:00	

Certificates of occupancy issued by the building department after the construction is completed and prior to the building being occupied

345. PERFORMANCE EVALUATIONS FOR QUALITY ASSURANCE	
Maximum Points Possible	1.00 point
Points Scored	1.00 point

Credit for quality assurance programs for field inspectors is as follows:

Annual employee performance evaluations

Pts Poss. Scored 0.50 point 0.50 point .

"Follow-up" field inspections by a different field inspector conducted semiannually

Pts Poss. Scored
0.50 point 0.50 point

Jurisdiction: Miami Beach

Total points:

88.17

State: FL

Commercial

Classification:

2

Survey Date: 04/06/2005

#### **FINAL SCORING**

Section 1	44.82
Section 2	22.78
Section 3	20.57
Subtotal	88.17
Item 105	8.00

The final score is determined by a relationship between Item 105 and the balance of the scoring.

[{(Section I + Section II + Section III) - Item 105} x

Points achieved in Item

<u>105</u> ] + Item

Points possible in Item 105

105

 $[{(44.82+22.78+20.57)-8.00}\times8.00/8.00)]+8.00=88.17$ 

Classification	Point Spreads	Classification	Point Spreads
1	93.00 - 100.00	6	48.00 - 55.99
2	85.00 - 92.99	7	41.00 - 47.99
3	77.00 - 84.99	8	25.00 - 40.99
4	65.00 - 76.99	9	10.00 - 24.99
5	56.00 - 64.99	10	0.01 - 9.99

Close

#### BUILDING CODE EFFECTIVENESS GRADING SCHEDULE

#### INTRODUCTION

The purpose of the Building Code Effectiveness Grading Schedule is to review the available public building code enforcement agencies and to develop a Building Code Effectiveness Classification for insurance underwriting information and rating purposes.

The Schedule measures the resources and support available for building code enforcement. It also evaluates how those resources apply to the mitigation of the natural hazards common to the specific jurisdiction. These measurements are then developed into a Building Code Effectiveness Classification number on a relative scale from 1 to 10, with 10 representing less than the minimum recognized protection.

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The Schedule is divided into 3 sections:

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The attached "1 - and 2 - family Classification Details" identify the subject matter, maximum points achievable and the points obtained in the review of your community. This information is provided to you without recommendation and is for your use in understanding the details of the measurement of your building code enforcement activities in relationship to the Building Code Effectiveness Grading Schedule.

## FL, Miami Beach 1 - and 2 - family SECTION I ADMINISTRATION OF CODES

#### 100. GENERAL

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105. ADOPTED CODES		
100.112	Maximum Points Possible	8.00 points
	Points Scored	8.00 point(s)

The latest edition of the model codes should be adopted and enforced by the jurisdiction.

		Points Possible when adopted code is published within years of the survey date:			
CODES	5	6	10	More Then 10	Points Scored ·
	8.00 pts	6.88 pts	2.21 pts	0.85 pts	8.00 pts

108. ADDITIONAL CODE ADOPTIONS		
	Maximum Points Possible	4.00 points
1	Points Scored	4.000 point(s)

	Points Possible when adopted code is published within years of the survey date:				
CODES	5	6	10	More Then 10	Points Scored
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Mechanical	0.67 pts	0.33 pts	0.18 pts	0.004 pts	0.670 pts
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Energy	0.67 pts	0.33 pts	0.18 pts	0.004 pts	0.670 pts
Wildland Urban interface	0.67 pts	0.33 pts	0.18 pts	0.004 pts	0.670 pts

110. MODIFICATION TO ADOPTED CODES		
	Maximum Points Possible	4.00 points
	Points Scored	4.00 point(s)

There should be no modifications to the structural design provisions of the adopted codes and referenced standards that would weaken the intent for construction mitigation of natural hazards as defined in the model codes and referenced standards. No proration is permitted in this item.

\*\* Maximum allowable points = (points credited in item 105) x 0.125 x 4.0

112. METHOD Of ADOPTION		
112. METHOD OF ADOL TION	Maximum Points Possible	1.00 points
	Points Scored_	1.00 point(s)

Points awarded for timely unamended adopted of nationally recognized code publication.

115. TRAINING		
115. TRAINING	Maximum Points Possible	13.30 points
	Points Scored	8.75 point(s)

Amount of expenditures for training equaling at least 2% of the annual operating budget for all building department related activities

Scored | Pts Poss. 2.25 point(s) 3.00 points

Scored

Each code enforcement person receiving the following amount of training per year:

		PIS POSS.	Scorea
Administration	12 hours	1.25 points	0.84 point(s)
Legal	12 hours	1.25 points	0.84 point(s)
	12 hours	1.25 points	1.25 point(s)
Mentoring		4.25 points	1.39 point(s)
Technical	60 hours	4.25 points	1.55 point(5)

Incentives provided by the jurisdiction for continuing education, outside training, certification and certification maintenance

Department pays certification exam fees.

Department pays and a second pays	Pts Poss. 0.5 point	Scored 0.50 point
Department provides incentive for outside training/certification.	Pts Poss. 0.5 point	Scored 0.38 point
Department pays for continuing education, etc.	Pts Poss. 0.5 point	Scored 0.50 point

Education of elected officials or governing authorities in building codes and building code enforcement a minimum of 3 hours per official per year

Pts Poss. Scored 0.50 point 0.50 point

A formal appeal process that a contractor/builder or architect/design professional can utilize as recourse to a building official's interpretation of the adopted building code/zoning regulations

Pts Poss. <u>Scored</u> 0.30 point 0.30 point

120. CERTIFICATION		
	Maximum Points Possible	12.00 points
	Points Scored	9.56 point(s)

The credit for certification is as follows:

Certification of code enforcement personnel (applicable to the position requirements) through a comprehensive examination representative of the performance area for which certification is sought

Pts Poss.

<u>Scored</u>

8.00 points

5.80 point(s)

State or local jurisdiction mandated program for certification.

Pts Poss.

Scored |

0.50 point

0.50 point

State or local jurisdiction mandated program of certification maintenance through continuing education at least once every 3 years

Pts Poss.

Scored

1.50 points

s 1.50 point(s)

Program of employee certification in the field they are employed (prior to employment or within one year of date of hire or advancement)

Pts Poss.

Scored

1.00 point

0.75 point

Program of employee certification where specific code related educations and experience are required

prerequisites to testing requirements

Pts Poss. 1.00 point Scored

1.00 point

#### 125. BUILDING OFFICIAL'S QUALIFICATION / EXPERIENCE / EDUCATION

Maximum Points Possible Points Scored

4.00 points 2.80 point(s)

The following is reviewed: Certification as a building official

Licensed Architect or Engineer

High School diploma

College degree

Masters degree

Construction related experience

None less than 2 years or two to five years or more than five years

Code enforcement experience

None less than 2 years or two to five years or more than five years

Building official experience

less than 2 years or two to five years or more than five years Pts Poss. Scored 0.60 point 0 point

Pts Poss. Scored 0.60 point 0 point

Pts Poss. Scored 0.10 point 0.10 point

Pts Poss. Scored 0.50 point 0.50 point

Pts Poss. Scored 0.40 point 0.40 point

Pts Poss. Scored 0.00 point 0.10 point 0.20 point

0.60 point 0.60 point

Pts Poss. Scored

0.00 point 0.10 point 0.20 point

0.60 point 0.60 point

Pts Poss. Scored

0.10 point 0.20 point

0.60 point 0.60 point

#### 130. SELECTION PROCEDURES FOR BUILDING OFFICIAL

Maximum Points Possible

0.50 point

Points Scored

0.50 point

Selection through examination Selection through peer review

Pts Poss. Scored 0.25 point 0.25 point 0.25 point 0.25 point

#### 135. DESIGN PROFESSIONALS

Maximum Points Possible

2.00 points

Points Scored

1.01 point(s)

The credit for design professionals is as follows:

If supervisory plan review staff are graduate or registered architects or engineers

Pts Poss. Scored 1.00 points 0.73 point

If non-supervisory plan review staff are graduate or registered architects or engineers

Pts Poss. Scored 0.50 points 0.27 point

If supervisory field inspection staff are graduate or registered architects or engineers

Pts Poss Scored 0.50 point 0 point

#### 140. ZONING PROVISIONS

Maximum Points Possible

1.00 point

Points Scored

1.00 point

Where possible, special (through ordinance or code amendment) zoning provisions that address mitigation measures for buildings subject to local natural hazards.

#### 145. CONTRACTOR/BUILDER LICENSING AND BONDING

Maximum Points Possible

1.00 point

Points Scored

1.00 point

Contractors/builders licensed and bonded to work in the jurisdiction being graded. The licensure dependence upon examination and experience

Licensing requirement for contractors and builders

Pts Poss. 0.10 point Scored 0.10 point

Licensing by examination

Pts Poss. 0.50 point Scored 0.50 point

Licensing by experience

Pts Poss. 0.30 point Scored

Bonding requirements for contractors

D+- D---

0.30 point

Pts Poss. 0.10 point Scored 0.10 point

#### 155. PUBLIC AWARENESS PROGRAMS

Maximum Points Possible

2.50 points

Points Scored

2.50 point(s)

The amount of expenditures for public awareness programs equaling a minimum of 0.5% of the annual operating budget for all building department related activities

Pts Poss.

<u>Scored</u>

1.25 point

1.25 point

The amount of hours spent by code enforcers on public awareness programs, equaling a minimum of 3 hours per code enforcement employee per year

Pts Poss.

Scored

1.25 point

1.25 point

#### 160. PARTICIPATION IN CODE DEVELOPMENT ACTIVITIES

Maximum Points Possible

0.50 points

Points Scored

0.50 point(s)

The building department involvement in code development activities and associations with groups or organizations that assemble building enforcement personnel for the purpose of education and advancement of effective building codes.

Participation in Code change Activities

Pts Poss. 0.25 point Scored 0.25 point

Participation in Code association/chapter meetings

Pts Poss.

Scored

0.25 point

0.25 point

165. ADMINISTRATIVE POLICIES AND PROCEDURES

Maximum Points Possible Points Scored 0.20 points 0.20 point(s)

The credit for "Policies and Procedures" is as follows: A policies and procedures guide for employees

Pts Poss.

0.10 point

Scored 0.10 point

The policies and procedures guide covers technical code requirements (such as approved products listings) that would assist a designer or builder

Pts Poss.

Scored

0.05 point

0.05 point

Publicizing the policies and procedures guide as available to the public.

Pts Poss.

Scored

0.05 point

0.05 point

#### SECTION II PLAN REVIEW

#### 200. GENERAL

This section evaluates the plan review function to determine the following:

Staffing levels

Personnel experience

Performance evaluation schedules

Review capabilities, and level of review of construction documents for compliance with the adopted building code for the jurisdiction being graded

205. EXISTING STAFFING		
	Maximum Points Possible	9.00 points
,	Points Scored	9.00 point(s)

Staffing levels sufficient to assure comprehensive reviews of construction documents for compliance with the adopted building codes

\*\* Maximum allowable points =  $\frac{\text{points achieved in item 215}}{\text{points possible in item 215}} x \text{ item 205}$ 

210. EXPERIENCE OF PERSONNEL		•
,	Maximum Points Possible	1.50 points
	Points Scored	1.28 point(s)

5 years or greater experience in plan review of plan review staff.

215. DETAIL OF PLAN REVIEW

Maximum Points Possible Points Scored 11.50 points 11.50 point(s)

The credit for the comprehensiveness of plan review is as follows:

Comprehensive review of plans performed even if they were prepared and sealed by a registered design professional certified in the appropriate field of work

Pts Poss.

<u>Scored</u>

3.25 points

3.25 point(s)

Structural plan reviews conducted for all proposed building construction or building additions/modifications including a review of engineering calculations

Pts Poss.

Scored

3.25 points

3.25 point(s)

A means to evaluate, or reference evaluation service reports, for substitute products and/or materials for conformance with the intent of the structural portions of the adopted building codes

Pts Poss.

Scored

2.00 point

2.00 point

A detailed checklist used with each plan review to assure all pertinent building code issues have been considered

Pts Poss.

Scored

1.50 points

1.50 point(s)

The checklist becomes a part of the permanent record of the project address

Pts Poss.

Scored

0.50 point

0.50 point

Department maintains detailed records of review activity.

Pts Poss.

Scored

1.00 points

1.00 point(s)

220. PERFORMANCE EVALUATIONS FOR QUALITY ASSURANCE

Maximum Points Possible

1.00 point

Points Scored

1.00 point

Credit for quality assurance programs for plan reviewers is as follows:

Annual employee performance evaluations

Pts Poss.

Scored

0.50 point

0.50 point

"Follow-up" plan reviews by a different plan reviewer conducted semiannually

Scored

0.50 point

0.50 point

#### SECTION III FIELD INSPECTION

#### 300. GENERAL

This section evaluates the field inspection function to determine the following: Staffing levels Personnel experience Performance evaluation schedules Review capabilities and level of review of building construction

305. EXISTING STAFFING		
503. EARS THIS STITLE TO	Maximum Points Possible	9.00 points
	Points Scored	9.00 point(s)

Staffing levels sufficient to assure comprehensive reviews of building construction for compliance with the adopted building codes

310. EXPERIENCE OF PERSONNEL		
SIV. EXI EXILITED OF TELESCOPIC	Maximum Points Possible	3.00 points
	Points Scored	2.57 point(s)

5 years or greater experience in field inspection

Pts Poss.

Scored

1.22 point(s)

2 years or greater of construction related experience

Pts Poss.

1.50 points

Scored

1.35 point(s) 1.50 points

B15. MANAGING INSPECTION AND RE-INSPECTION ACTIVITY	
Maximum Points Possible	1.00 point
Points Scored	1.00 point

Detailed record keeping of inspection activity.

320. INSPECTION CHECKLIST

Maximum Points Possible 2.00 points
Points Scored 0 point(s)

A detailed checklist completed for each building construction project to assure that all pertinent building code issues have been considered

Pts Poss. 1.50 points Scored 0 point(s)

The checklist becomes a part of the permanent record of the project address

Pts Poss. 0.50 point Scored 0 point

325. SPECIAL INSPECTIONS

Maximum Points Possible Points Scored

1.00 points 1.00 point(s)

Where necessary to assure structural integrity, the building department requirement for special inspections for specific structural elements conducted by professional inspectors who have been certified for such work

Pts Poss. 0.70 point Scored 0.70 point

The certification being obtained by a combination of:

Examination

Pts Poss. 0.10 point Scored 0.10 point

Experience in the field of inspection they will be performing

Pts Poss. 0.10 point Scored 0.10 point

An interview by the building official to assess qualifications

Pts Poss.

Scored

0.10 point

0.10 point

330. INSPECTIONS FOR NATURAL HAZARD MITIGATION

Maximum Points Possible

1.50 points

Points Scored

1.50 point(s)

When there are construction mitigation measures defined in the adopted building code for the natural hazard(s) peculiar to the area being graded, special inspections that focus on compliance with the provisions of the code

335. FINAL INSPECTIONS		
35. FINAL INSPECTIONS	Maximum Points Possible	2.50 points
	Points Scored	2.50 point(s)

Final inspections performed on all buildings after the construction is completed and the building is ready for occupancy

340. CERTIFICATE OF OCCUPANCY		
P40. CERTIFICATE OF OCCUPANCE	Maximum Points Possible	2.00 points
	Points Scored	2.00 point(s)

Certificates of occupancy issued by the building department after the construction is completed and prior to the building being occupied

345. PERFORMANCE EVALUATIONS FOR QUALITY ASSURANCE	
Maximum Points Possible	1.00 point
Points Scored	1.00 point

Credit for quality assurance programs for field inspectors is as follows:

Annual employee performance evaluations				
Printing on property	•		Pts Poss.	Scored .
		•	0.50 point	0.50 point

"Follow-up" field inspections by a different field inspector conducted semiannually		
Tonow-up tieta hispositoria e a a a a a a a a a a a a a a a a a a	Pts Poss.	Scored
	0.50 point	0.50 point

Jurisdiction: Miami Beach

Total points:

88.17

State: <u>FL</u> 1 - and 2 - family

Classification:

Survey Date: 04/06/2005

**FINAL SCORING** 

Section 1	44.82
Section 2	22.78
Section 3	20.57
Subtotal	88.17
Item 105	8.00

The final score is determined by a relationship between Item 105 and the balance of the scoring.

 $[\{(Section\ I+Section\ III+Section\ III)\ \text{-}\ Item$ 105} x

Points achieved in Item ] + Item 105 Points possible in Item 105 105

 $[\{(44.82 + 22.78 + 20.57) - 8.00\} \times 8.00/8.00)] + 8.00 = 88.17$ 

Close